CALFED Bay-Delta Program Project Information Form
Watershed Program - Full Proposal Cover Sheet

Attach to the cover of full proposal. All applicants must fill out this Information Form for their proposal. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Full Proposal Title: **Sun Valley Watershed Management and Water Replenishment Project.**
   Concept Proposal Title/Number: **0134**
   Applicant: **Los Angeles County Department of Public Works.**
   Applicant Name: **Suk P. Chong**
   Applicant Mailing Address: **900 S. Fremont Avenue, WMD 11th Floor, Alhambra CA 91803**
   Applicant Telephone: **(626) 458-4341** Applicant Fax: **(626) 457-1532**
   Applicant Email: **schong@dpw.co.la.ca.us**
   Fiscal Agent Name (if different from above): **George Horner, Accounting Officer**
   Fiscal Agent Mailing Address: **900 S. Fremont Avenue, FIF 7th Floor, Alhambra CA 91803**
   Fiscal Agent Telephone: **(626) 458-6508** Fiscal Agent Fax: **(626) 458-6951**
   Fiscal Agent Email: **ghorner@dpw.co.la.ca .us**

2. Type of Project: Indicate the primary topic for which you are applying (check only one)

_____Assessment	_____Monitoring
_____Capacity Building	_____Outreach
_____Education	__**X**__ Planning
_____Implementation	_____Research

3. Type of Applicant:

_____Academic Institution/University	_____Non-Profit
_____Federal Agency	_____Private party
_____Joint Venture	_____State Agency
__**X**__Local Government	_____Tribe or Tribal Government

4. Location (including County):

   What major watershed is the project primarily located in:
   _____Klamath River (Coast and Cascade Ranges)
   _____Sacramento River (Coast, Cascade and Sierra Ranges)
   _____San Joaquin River (Coast and Sierra Ranges)
   _____Bay-Delta (Coast and Sierra Ranges)
   __**X**__Southern CA (Coast and Sierra Ranges)
   _____Tulare Basin (Coast, Sierra and Tehachapi Ranges)

5. Amount of funding requested: **$_500,000_**
   Cost share/in-kind partners? ___**X**__Yes _____No
   Identify partners and amount contributed by each:
   Los Angeles County Department of Public Works $ 700,000
   City of Los Angeles In-kind

6. Have you received funding from CALFED before? _____Yes __**X**__No
   If yes, identify project title and source of funds:

By signing below, the applicant declares the following:

1. The truthfulness of all representations in their proposal
2. The individual signing this form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or an organization)
3. The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the Watershed Program Proposal Solicitation Package and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent provided in the Proposal Solicitation Package.

Suk P. Chong, Senior Engineer

Printed name of applicant

_____

Signature of applicant

1. *Describe your project, its underlying assumptions, expected outcomes, timetable for completion, and general methodology or process.* ***(3 pages)***

Description:

The Sun Valley Watershed Management and Replenishment Project is a pilot watershed management project by the Los Angeles County Department of Public Works (Department). The objective of the project is to retrofit a developed urban watershed with non-traditional structural best management practices (BMP's) listed below to solve the severe flooding conditions while retaining all stormwater runoff from the watershed, increasing water conservation, recreational opportunities and wildlife habitat, and reducing stormwater pollution. The purpose of the current phase of the project for which the Department is seeking CALFED Watershed Program Grant is to develop a watershed management plan (Plan) to help us achieve our objectives.

The Sun Valley Watershed is a 2,800-acre (4.4 square mile) urban watershed tributary to the Los Angeles River, located approximately 14 miles northwest of downtown Los Angeles. The watershed includes the community of Sun Valley and portions of North Hollywood. Sun Valley is an under-served community with active gravel mines and landfills, numerous auto-dismantling operators, and other industrial and commercial land uses making up more than 60 percent of the watershed. In the watershed are two neighborhood parks and one public library.

The community is subject to chronic flooding conditions present in the watershed for well over 30 years. Traditionally, flood control agencies like our Department have addressed these types of flooding conditions by constructing single purpose storm drains. In the past, such a solution was proposed to address the flooding conditions in the watershed at an estimated construction cost of between $40 to $45 million.

In lieu of constructing a storm drain, in November 1998, the Department convened a group of stakeholders, the Sun Valley Watershed Stakeholders Group (SVWSG), to initiate a study to determine if it is technically feasible to solve the flooding problems in the watershed while achieving the multiple objectives stated above. The SVWSG consists of multiple agencies, local and state elected officials, property owner organizations, chamber of commerce, environmental groups, schools, and parents. With the aid of a computer model developed specifically for the Sun Valley Watershed, the SVWSG determined it is preliminarily feasible to capture all the storm runoff in the watershed using the following structural BMP's, (in alphabetical order):

- dry wells
- enhancement of stormwater absorption into the soil through mulching
- multi-use of stormwater retention basin
- pavement removal in areas such as school yards and parking lots

- porous pavement
- shallow grassy on-site retention systems (swales, basins, etc.)
- tree planting
- underground municipal stormwater storage facilities
- underground residential cisterns

Assumptions:

We live in a time characterized by growing environmental concerns. Since the Los Angeles Flood Control District was formed in 1915, the Department of Public Works as we are widely known today, has addressed flooding problems mostly by constructing single purpose flood control facilities. We have also constructed water conservation facilities. By constructing these facilities, we have provided the public with effective flood protection and some water conservation. Yet, most of the stormwater, a valuable resource, was lost as it was carried by the storm drains and channels and discharged into the ocean. The pollutants in the stormwater were also sent to the ocean, polluting our beaches. The Sun Valley Watershed was selected by the Department as a pilot project to determine how effectively we can address not only the flooding problems in Los Angels County, but to see if we can achieve our stated objectives in economically, environmentally and socially sustainable ways.

Having completed a preliminary study and determining that it is technically feasible to achieve the multiple objectives for the Plan, we see two outstanding challenges for developing and implementing the Plan. They are continuous support for a watershed management approach for addressing the flooding problems from the community and the elected officials, and securing adequate funding to implement the structural BMP's the Plan will recommend. While these may be considered two challenges, we see the former (continuous and expanded support) as being critical to the later (securing adequate funds to implement the Plan when it is completed). With strong, widespread support from the entire community and the elected officials, we believe funds will flow to this project. For this reason, we are proposing to develop a solid, technically sound watershed management plan, including a comprehensive community outreach and education program. The $500,000 we seek from CALFED will help us develop such a plan and achieve our objectives. The TreePeople, a key stakeholder and a partner, is proposing to develop some of the community outreach and education program needed for this project with funds they obtain from CALFED's Watershed Management Program. We support the TreePeople's request for funding from CALFED so they can help us develop a portion of that program.

Methodology or process:

The development of the proposed Plan is a stakeholders group process lead by the Los Angeles County Department of Public Works partnering with the TreePeople and the City of Los Angeles, and supported by local elected officials,

community groups, and property owners. A complete list of the stakeholders is in Section 8. The TreePeople have been instrumental in establishing and maintaining community support for our project. They co-chaired a town-hall type community meeting with the Department, prepared the SVWSG's newsletters, prepared press releases, and met with community leaders and groups, sometimes with us and other times on our behalf. The City of Los Angeles, also as a key partner, has provided in-kind services including hosting meetings, gathering data, preparing maps, and distributing newsletters and meeting notices. The City will continue to provide in-kind services as we move forward with the preparation of the Plan. During the implementation phase, the City plans to contribute funds for construction of BMP's recommended by the Plan.

To help us develop the Plan, a request for proposal was recently issued to hire a consulting team. The Plan will include:

1) a technical plan of which BMP's to implement to meet the above objectives
2) a public outreach and education program to assure community support for the Plan
3) environmental documents to be able to proceed to design and construction
4) a viable funding plan/program to assure the Plan can be implemented
5) up to five "pilot" projects to demonstrate the key BMP's recommended in the Plan.

Expected Outcome and time to complete:

The Plan, when fully implemented, would solve the chronic flooding problems present in the watershed for more that 30 years, capture and conserve an annual average of 2,100 acre-feet of stormwater, which is currently lost to the ocean, provide greater open space and recreational opportunities by creating at least one to two parks, and eliminate pollutant loading from runoff from the watershed to the Los Angeles River. By recharging and reusing this water in the watershed, we would be able to reduce the reliance on the Bay-delta water. By involving the community from the very beginning of the planning process, we are empowering them to direct and choose the solution for a serious chronic flooding problem, increase recreational opportunities and open space, general "greening" of the entire watershed and opportunities to lower their water bill. These improvements are expected to improve quality of life for the residents in Sun Valley and portions of North Hollywood. The Sun Valley residents will learn to expect more of themselves and the agencies that serve them and start on the road to environmental justice. As for the Department, with the expected success of this project, we plan to replicate watershed management techniques in other sub-watersheds in the Los Angeles County.

The preparation of the proposed Plan is expected to take 2 ½ years to complete.

2. *Describe your qualifications and readiness to implement the proposed project.* ***(2 pages)***

a. Describe the level of institutional structure, ability and experience to administer funds and conduct the project. Identify the fiscal agent responsible for handling the funds. .

The Sun Valley Watershed Management and Replenishment project has the participation and oversight of Mr. Don Wolfe, Assistant Deputy Director of the Department of Public Works, and Mr. Carl Blum, Deputy Director, retired. Its daily project activities are managed by Mr. Suk Chong, Senior Engineer, head of a watershed management section in the Watershed Management Division, and supported by one or more of his staff. The project has both the support and participation of County Board of Supervisor Zev Yaroslavsky, represented by his deputy, Ms. Maria Chong-Castillo. From the City of Los Angeles, the project has the participation and support of the City Councilmember Alex Padilla, represented by his deputies Mr. Mark Dierking and Mr. James Burdkhardt, Councimember Joel Wachs represented by his deputy, Ms. Patricia Davenport, and the head of the City's Stormwater Management Program, Mr. Gary Moore. From the Regional Water Quality Control Board, we have the participation of Ms. Wendy Phillips, Section Chief, Stormwater Section. From the TreePeople, we have the participation of its founder, Mr. Andy Lipkis, and its TREES Project Manager, Ms. Rebecca Drasye.

Mr. Chong is the Department's project manager. He has over 15 years of engineering experience, all of which is with the Department. Over the years, he has managed other atypical projects and studies including the San Gabriel Reservoir Recreation Study, Santa Clara River Enhancement and Management Plan, Acton Drainage Master Plan, Castaic Infrastructure Master Plan, and several drainage planning studies. Mr. Chong is very familiar with Sun Valley having been involved with this project from the beginning and with an earlier study to construct a storm drain in the watershed. Mr. Chong currently heads the Santa Clara River and Antelope Valley Watersheds Section in addition to serving as the Department's project manager for the Sun Valley Watershed project.

The Department is committed to preparing the Plan. Our source of funds would be the Los Angeles County Flood Control Benefit Assessment. The $500,000 County match would be in addition to the in-kind services we expect to contribute to completing the Plan.

The fiscal agent for this project is Mr. George Horner.

b. Describe technical support available (including support needed for environmental compliance and permitting) to begin and complete the project in a timely manner.

A consulting team hired for this project will prepare technical work, including the preparation of appropriate environmental documents. The Department staff and the SVWSG, including agency representatives, will review all technical work by the consultant.

c. List any previous projects of this type you or your partners have implemented, funded either by CALFED or other programs.

As this is a pilot project for the Department, we are unable to refer to a similar previous project. Also, neither the Department nor any of our partners have received funds from CALFED in the past. However, the project manager has personally worked on the Santa Clara River Enhancement and Management Plan, which was in large part funded by California Coastal Conservancy. The TreePeople have received grants from Federal agencies including the National Forest Service for its Urban Forestry Program. The Department is in sound financial standing and is equipped and staffed with appropriate professionals including engineers and accountants to complete the Plan both fiscally and technically with funds received from CALFED.

3 *Provide a completed budget cost sheet and describe the basis for determining project costs, including comparisons with other similar projects, salary comparisons, and other listed costs. Include all costs of environmental compliance, such as CEQA and/or NEPA, and permits. Describe how the approach to achieving the stated goals of the project demonstrates an effective cost relative to its anticipated benefits.* ***(2 pages)***

See attached Excel spreadsheet.

4 Describe the technical feasibility of the proposed project. ***(2 pages)***

a. Describe any similarity to previously implemented successful projects in this community or elsewhere.

The Sun Valley Watershed Management and Replenishment Project is the Department's pilot watershed management project. As such, we are unable to site a previous similar project. However, we have completed a limited number of multi-use projects. The Pan Pacific Park, a joint flood control detention basin and a park in the City of Los Angeles, adjacent to the Farmer's Market in the City's Fairfax District is an example of a limited watershed management project. This project was constructed by the Department in the 1980's and partly funded by the State. Construction of the 28-acre park/detention basin resulted in a $10-million cost savings by reducing the size of the downstream drainage system and gave the community a beautiful park. To help some stakeholders visualize the type of projects we envision in the Sun Valley, we have often sited the Pan Pacific Park as an example.

b. If the project proposes a new approach or new method with a high likelihood of adding new knowledge and or techniques, or with the potential to fill identified gaps in existing knowledge, describe how it will do so, and what monitoring components will provide substantiation of results.

It is the intent of the Department to share what we learn during and after the development of the Plan, as well as when we implement the Plan, with the cities in the County, as well as numerous interested entities. These entities include, but are not limited to the Los Angeles and San Gabriel Rivers Watershed Council, San Gabriel Mountains and Lower Los Angeles River Conservancy, Friends of Los Angeles River, and other environmental friendly organizations. We expect to learn how effective the BMP's are in handling storm flows for flood mitigation and water conservation purposes. We expect to learn how effective the above BMP's are for handling various pollutants found in the storm runoff in Los Angeles. The Plan will be developed based on available data, including hydrology and geology, a computer model developed for Sun Valley to simulate a four-day, 50-year frequency storm event, and specifications of the BMP's listed above. The Plan will include a monitoring program to measure effectiveness of each BMP to address flooding, water conservation, and water quality needs.

c. Explain how the finished project will be maintained as necessary, and to what degree it may require continued funding from outside the community.

The current phase of the project is the development of a watershed management and replenishment plan for Sun Valley. Thus, no maintenance will be required for the finished product. However, based on preliminary cost-benefit review, additional funds will be needed to implement the Plan, beyond what will be

available in the Department. A funding program is a component of the Plan that needs to be developed by the consultant.

5. *Describe how the monitoring component of the project will help determine the effectiveness of project implementation and assist the project proponent and CALFED with adaptive management processes.* ***(3 pages)***

a. Identify performance measures appropriate for the stated goals and objectives of the project.

The performance measures for the development of the Plan are built into the scope of the consultant's work in the form of deliverables for each task identified in the request for proposal released on April 18, 2001.

b. Describe how this project will coordinate with and support other local and regional monitoring efforts.

A monitoring program is a component in the Plan that needs to be developed by the consultant. The data we collect when we implement the Plan will be shared with others like those entities listed above as our contribution to regional monitoring efforts.

c. Provide a description of any citizen monitoring programs that will be part of this project.

As indicated above, a monitoring program is a component in the Plan that needs to be developed by the consultant. However, we envision that the members of the community will do monitoring of some of the BMP's. For example, at local schools the students may be included in the monitoring of amount of stormwater collected and its quality for BMPs installed on campus as part of their science class.

d. *What monitoring protocols will be used, and are they widely accepted as standard protocols?*

The monitoring program in the proposed Plan will determine the effectiveness of each BMP listed above in addressing flooding, water conservation, and water quality needs and maintenance demand. Details are not available, as the program needs to be developed by the consultant as part of the Plan. The monitoring protocols are expected to be those that are widely accepted by jurisdictional agencies. At this time, we see the monitoring protocols to include at least the following:

- baseline data collection (pre-Plan implementation)
- data/sample collection (post-Plan implementation)
- data/sample analysis
- results reporting

We have most of the baseline information. We have a hydrology study with data on runoff rates and volume. This information will serve as baseline data for both flooding, of stormwater management, and water conservation. We have also collected stormwater samples from the watershed during the past two storm seasons. This information will serve as baseline data for water quality.

e. *Describe how the type and manner of data collection and analysis will be useful for informing local decision making?*

The data we collect when the Plan is implemented will have a direct impact on the Department's decisions on future application of above listed BMP's in other areas in the County. Those BMP's found to be most cost effective when considering such factors as their initial construction cost, ability to capture and retain stormwater, reduce stormwater pollution, and long-term maintenance costs, will find repeated application. Those that are cost effective when measured on these factors will not likely be applied in other areas. Other factors may be considered, as they become known to the Department and the SVWSG. Also, as this is a pilot watershed management and replenishment project to retrofit a built-out urban watershed with non-traditional BMP's in this region, the performance results of these BMP's are expected to impact Southern California regionally.

6. *If this project is to develop specific watershed conservation, maintenance or restoration actions, describe the scientific basis for the action(s) described in the proposal. Include the following:* ***(2 pages)***

a. *Any assessment of watershed condition(s) that has already been developed by you or others.*

Department staff has collected stormwater samples during the past two storm seasons. The Department has also completed a hydrology study and has data on runoff rates and volume. We also have percolation data from wells in the watershed.

b. Previous assessment(s) used to establish your project goals and objectives, or to inform the basic assumptions of your proposal.

Some of above data was incorporated in a computer model developed specifically for Sun Valley to simulate a 4-day, 50-year frequency storm event. Based on a preliminary study using the above data and model, it was determined that it is technically feasible to capture and either recharge or reuse the entire storm flows from above design storm.

Also, based on initial meetings and outreach efforts, we were able to determine the community would support the Department and the SVWSG to proceed with addressing the flooding problems in the watershed while attaining multiple objectives. Based on these initial meetings with members of the community, it was learned that short-term, interim solutions to getting the students to the four of the local schools were needed immediately. These solutions included a public-private partnership of a large property owner and a major business in the community and the school district, as well as the leadership of the City, County, and School District elected officials. The partners constructed a raised driveway at the Sun Valley Middle School so the parents dropping off their children can do so at a higher elevation, close to a building where the students can walk into the classrooms without having to walk across more than a foot of stormwater.

c. A description of the scientific assumptions used to develop the project goals, objectives and proposed actions, and the degree to which those assumptions are widely accepted (both in the science community as a whole, and in the watershed community).

As discussed in number 6c, above, the basis of our goals and objectives to capture and either recharge and/or reuse all the storm runoff in the watershed is the Department's hydrology study and the computer model indicating that they are technically feasible. We also have community support for the SVWSG vision. However their support is somewhat precarious and needs to be nurtured.

For modeling purposes, the watershed was divided into 8 sub-areas. The computer model simulates the 4-day, 50-year frequency storm in an hour increment. At the end of each hour, runoff is calculated and depending on the type and number of BMP's installed in the watershed, the results of how much water is stored, recharged, or spilled onto downstream sub-area is displayed. The specifications of prefabricated BMP's are from the manufactures. Those BMP's that are typically constructed in place are from over 70 years of data the Department has on file.

d. A discussion of how the proposed actions are (are not) consistent with the scientific assumptions and previous assessments completed in the watershed.

The current phase of the project is the development of the watershed management and replenishment plan for Sun Valley. However, as indicated above previous assessment supports our goals and objectives of this project.

e. Describe what baseline knowledge was used to support the management actions described in the proposal, or the likelihood that the management actions will generate more robust baseline knowledge.

No management actions are proposed in this proposal. The Plan we develop will have management actions. We are confident the consultant we hire, as well as the professional staff we have in the Department and our partners have in their organizations, will base the management actions on sound engineering and scientific principles. We are also confident that when the Plan is fully implemented we will have not only a robust baseline knowledge, but a greener, healthier watershed in Sun Valley.

7. A. *How will the proposal address multiple CALFED objectives (see Section I) in an integrated fashion, with emphasis on water supply reliability, water quality, ecosystem quality, and levee stability objectives CALFED has established for Stage 1 of the program?* ***(2 pages)***

The project proposes to address chronic flooding problems in the watershed by capturing and recharging and/or reusing all the storm runoff in the watershed from up to 50-year frequency storm events. This will result in conserving an annual average of approximately 2,100 acre-feet of water. During a design storm event, up to 4,200 acre-feet of water could be conserved. This much water can offset the consumption of 4,200 to 8,400 families. We have not been able to determine if every acre-feet of water we conserve in Sun Valley will reduce the importation of Bay-Delta by the same acre-feet. However, as a pilot project that could be replicated in all of Southern California, we believe the project will have a large cumulative benefit to CALFED.

Since the project goal is to retain all the storm runoff in the watershed, when the project is implemented, the pollutants in the runoff will not reach the Los Angeles River and the Pacific Ocean as they do today. Instead, the project will result in total elimination of stormwater pollutants to receiving water body. Since the runoff that is not reused will instead percolate to the groundwater basin, the Plan will identify methods to treat the runoff so the groundwater is not further degraded. Another objective of the project is to increase open space, recreational opportunities, and wildlife habitat. Opportunities exist in the watershed and they will be fully developed. Therefore, the proposed project will address multiple CALFED objectives.

b. Explain how the proposal will help define and illustrate relationships between watershed processes (including human elements), watershed management, and the primary goals and objectives of the CALFED (see Section I).

The proposed project is an excellent opportunity to establish a relationship between the human element, watershed management, and the objectives of CALFED because the planning process involves members of an under-served community, introduces them to watershed management principles, and links the water they drink with the water they get from the Bay-Delta. Our experience thus far has been the community members would initially be hesitant, resistant, or skeptical of watershed management concepts. As they participate in the planning process and learn of the multiple benefits of watershed management techniques, these same community member start to appreciate the techniques. Some would recall times when their parents or grandparents had cisterns at their homes and would say they think it would be a great way to conserve water. Also, a comprehensive community education and outreach program will demonstrate how the activities we carry out here in Southern California are linked to the conditions of the Bay-Delta.

c. Identify a lead agency for environmental compliance, such as CEQA or NEPA. Describe the program's strategy and timetable on environmental compliance.

The Los Angeles County Department of Public Works will be the lead for all environmental compliance.

The consultant hired for the preparation of the Plan will prepare all necessary environmental documents. The Plan and the environmental documents are expected to be complete 2 ½ years after the issuance of notice to proceed.

8. Describe any other important aspects of your program that you could not address in the above items, and that you feel are critical to fully describing your project. ***(2 pages)***

List of Stakeholders:

AGENCY/ORGANIZATION
Arminta Elementary, LA Unified School District
Bradley Landfill/Waste Management
California Assemblyman Tony Cardenas' Office
California Native Plant Society
California Regional Water Quality Control Board
City of Burbank Department of Public Works
LA Byproducts, Inc.
LA City Bureau of Sanitation Stormwater Management Division
LA City Councilmember Alex Padilla (Council District No. 7)
LA City Councilmember Joel Wachs (Council District No. 2)
LA City Department of Recreation and Parks
LA City Department of Water & Power
LA City Valley District Engineer
LA County Department of Public Works
LA County Supervisor Zev Yaroslavsky
LA Regional Water Quality Control Board
LAUSD, School Board Member David Tokofsky
North East Trees
State Senator Alarcon's Office (Twentieth Senate District)
Sun Valley Neighborhood Improvement Organization
TreePeople
Upper LA River Area Watermaster
Vulcan Materials, Inc. CalMat Division

Terms and Conditions:

Please see attached the County Counsel recommends on the Indemnification.

No.3: Project Budget

SUN VALLEY WATERSHED AND REPLENISHMENT

CALFED WATERSHED PROGRAM BUDGET AND PROJECT SUMMARY

Task Description		Completion date	Match funds	CALFED funds	Total
Task 1:	Administration: *Manage, direct and oversee the consulting team hired to prepare the Sun Valley Watershed and Replenishment Project* Deliverables: monthly and quarterly status reports Success Criteria: *quarterly assessment of public participation*	30 months	100,000.00	0	100,000
Task 2:	Prepare and submit for review a watershed management plan.	9 months from start	100,000	100,000	200,000
Task 2a:	Review previously completed and on-going work; conduct geotechnical investigation to determine the feasibility of effectively utilizing various BMP's.				
Task 2b:	Refine current computer model, if necessary. A computer model that simulates the capturing of runoff and storing and/or recharging it needs to be reviewed in preparing a response to this sub-task.				
Task 2c	Develop primary and two alternative concepts, using BMP's and computer model, to meet objectives.				
Task 2d	Develop cost/benefit, including life cycle costing, for selected alternatives.				

	Task Product(s): A draft watershed management plan, an action plan. Success Criteria: delivery of a primary and two alternative solutions.				
Task 3:	Work with RWQCB, Upper LA River Area Water Master, LACDPW, and LA City to understand each agency's issues that will need to be adequately addressed in order to get the Plan approved. Task Product(s): A summary of issues and recommendations for changes to policy or regulations that would be required to implement the BMP's and describe the potential barriers or constraints to these changes as well as a strategy to overcome the barriers and/or constraints. Success Criteria: delivery of task product	12 months from start	100,000	100,000	200,000
Task 4:	Review and comment on a watershed management plan and issues identified in Task 3. Task Product(s): Comments to the consultant for revisions.	1 months from completion of Task 3	10,000	0	10,000
Task 5:	Revise watershed management plan incorporating comments from Task 3. Task Product(s): revised Plan	2 months form Task 4	10,000	30,000	40,000
Task 6: *Task 6a:*	Prepare draft environmental documents for SVWSG and public review During review period, conduct necessary public meeting(s) and respond to comments	15 months from Task 5	70,000	80,000	150,000

	task 6b: Prepare and present final environmental documents and recommended watershed management plan (min 50 copies) for Los Angeles City Council and/or County Board of Supervisor approval. If necessary, this task may include making presentation(s) to the City Council and/or the Board. Task Product(s): draft environmental documents, public meetings, as necessary, final environmental documents, and presentation(s) before local governing body. Success Criteria: approval of environmental documents by local governing body				
Task 7:	Develop and execute a public outreach and education program (below are minimum guidelines). *Task 7a:* Prepare and distribute a quarterly community newsletter (approximately 8,000 copies each issue). *Task 7b:* Conduct a minimum of 2 public relations events per year with media coverage. *Task 7c:* Develop and conduct an education program on watershed concepts for children in grades 1-12 attending eight local schools that can also be used in other urban watersheds in Los Angeles County. *Task 7d:* At minimum, an annual community (town hall type) meeting to present progress and address community concerns and issues. Task Product(s): deliverables from above subtasks. Success Criteria: Community wide support for watershed management techniques and understanding of the connection between the activities in Sun Valley with Bay-Delta.	30 months (entire project duration)	200,000	0	200,000

Task 8:	Based on benefits expected by implementing the Plan, develop viable recommendations for adequately funding the recommended Plan.	12 months from Task 5	100,000	100,000	200,000
	Task Product(s): a funding program Success Criteria: a funding program that will identify viable funds to fully implement the Plan.				
Task 9:	Provide project management of all activities/tasks in this contract, including:	30 months (entire project duration)	80,000	20,000	100,000
Task 9a:	Quarterly progress reports: Progress reports on project implementation, including financial status, milestones reached, products completed, and general assessment of overall progress, including problems encountered or anticipated.				
Task 9b:	Draft final report: Draft report summarizing the project implementation, achievements, product deliveries, financial status. To be sent to the Contract Manager for review and comment.				
Task 9c:	Final report: Revised report incorporating comments from the Contract Manager and others.				
Task 9d:	Presentations: Delivering at least one final summary presentation to CALFED.				